

FEB 2 x 2003

IN THE UNITED STATES PATENT AND TRADEGRAPH CONTEST 2600

In re application of:

Shanks et al.

Appl. No. 10/072,885

Filed: February 12, 2002

For:

Method, System, and Apparatus

for Binary Traversal of a Tag

Population

Confirmation No. 2429

Art Unit: 2632

Examiner: To Be Assigned

Atty. Docket: 1689.0210001

Information Disclosure Statement

Commissioner for Patents Washington, D.C. 20231

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was cited in a communication from a 1. foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
 - Filing under 37 C.F.R. § 1.97((b). This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No
 - Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of □ 3. a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
 - Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a □ a. counterpart foreign application not more than three months prior to

the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

- □ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- □ c. Attached is our PTO-2038 Credit Card Payment Form [OR] Check No.

 ______ in the amount of \$ ______ in payment of the fee under 37

 C.F.R. § 1.17(p).
- □ 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our Check No. _______ in the amount of \$ ______ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:
 - □ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
 - □ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

- 5. Documents AN2, AO2, and AA7 were cited in a search report by a foreign patent office in a counterpart foreign application. A copy of the search report is enclosed as document AS1 on the attached PTO Form 1449.
- □ 6. A concise explanation of the relevance of the non-English language document(s) appears below:
- □ 7. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. _______, filed ______, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Mr A. Wean

Jeffrey S. Weaver Attorney for Applicants Registration No. 45,608

Date: 2-26-03

1100 New York Avenue, N.W. Suite 600 Washington, D.C. 20005-3934 (202) 371-2600

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MINER TIAL	1	NUMBER	-107/	1970	Turr	ner			<u> </u>	$\overline{}$	
	AA1	3,520,406		1972	Kap	lan et al.			1		
	AB1	3,689,885		/1978	Bro	ophy et al.			+-		
	AC1	4,071,908		/1980	Sin	non et al.			+		
	AD1	4,225,953		/1983	St	rietzel rrett, Jr.			1_		
***************************************	AE1	4,418,411		/1984	Ba	ller, III	+				
	AF1	4,471,345	0	1/1985		Detzkes					·
	AG1	4,495,496		8/1985	$-\frac{1}{B}$	oss et al.	+		\Box		-
	AH1	4,598,275		7/1986	- \	aswell et al.					
	AII	4,636,950	. L'	01/1987		nders et al.					
	AJ1	4 656 463		04/1987	PTGN	PATENT DOCUMENTS			\ c	UB-	TRANSLATION
	AK1			FOR	1			CLASS	c	LASS	Yes
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EXAMINER		DOCUMENT	:	DATE		COUNTY		G01S		13/74	Yes
EXAMINER INITIAL		NUMBER			_	Europe			-	9/00	
EXAMINER INITIAL	AI	NUMBER		01/1992		Europe		G01S	-	9/00	Yes No Yes No
EXAMINER INITIAL	-	NUMBER 1 EP 0 46	7 036			Europe Europe			+		Yes No
EXAMINER INITIAL	-	NUMBER L1 EP 0 46 M1 EP 0 49	7 036	01/1992		Europe		G07C	-	9/00	Yes No Yes No Yes
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EXAMINER	A.	NUMBER LEP 0 46 M1 EP 0 49 AN1 EP 0 4	7 036 94 114 96 986	01/1992 07/1992 08/1992 01/1994		Europe Europe Europe		G07C H04I G06	K	9/00 1/16 17/00 13/78	Yes No Ye
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FEB 2 8 2003 ATTY. DOCK DOCK DOCK APPLICATION 200872,885 Page 2 of 8 APPLICATION NO. APPLICANT Shanks et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP

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	<u> </u>	T			U.S.	PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU	UMENT BER	DAT	E	NAME	CL	ASS	SUB- CLASS	FILING DATE
	AA2	4,86	62,160	08/	1989	Ekchian et al.				
	AB2	4,93	31,788	06/	1990	Creswick			,	
	AC2	5,12	24,699	06/	1992	Tervoert et al.				
	AD2	5,2	14,409	05/	1993	Beigel			·	
	AE2	5,24	45,534	09/	1993	Waterhouse et al.			•	·
	AF2	5,26	66,925	11/	1993	Vercellotti et al.				
	AG2	5,28	89,372	02/	1994	Guthrie et al.				
	AH2	5,3:	13,052	05/	1994	Watanabe et al.				
	AI2	5,33	39,073	08/	1994	Dodd et al.				
	AJ2	5,35	56,516	10/	1994	Ashby et al.				
	AK2	5,36	55,551	11/	1994	Snodgrass et al.				
					FOREIG	N PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU	JMENT NUMBER	₹	DATE	COUNTRY	CL	ASS	SUB- CLASS	TRANSLATION
•	AL2	EP (598 624		05/1994	Europe	G0	18	13/02	Yes No
	AM2	EP (0 615 285		09/1994	Europe	но	1 <u>L</u>	21/60	Yes No
	AN2	EP (702 323 A2	2	03/1996	Europe	G0	6K	17/00	Yes No
	A02	EP (702 324 A2	2	03/1996	Europe	G0	6K	17/00	Yes No
	AP2 V	Wo s	93/05485		03/1993	PCT	GO	7G	1/12	Yes No
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APPLICANT Shanks et al.

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INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
0)0	AA3	5,390,360	02/1995	Scop et al.			
- 4-	AB3	5,410,315	04/1995	Huber			
	AC3	5,420,577	05/1995	Kim et al.			
	AD3	5,430,441	07/1995	Bickley et al.			
	AE3	5,434,572	07/1995	Smith			<u> </u>
	AF3	5,434,775	07/1995	Sims et al.		<u>_</u>	
	AG3	5,444,223	08/1995	Blama			<u> </u>
	АН3	5,446,447	08/1995	Carney et al.			
	AI3	5,469,142	11/1995	Bergman et al.		9.1	
	AJ3	5,478,991	12/1995	Watanabe et al.			
	AK3	5,479,416	12/1995	Snodgrass et al.			
			FOREIG	N PATENT DOCUMENTS			
EXAMINER INITIAL	DOCUMENT NUMBER		DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
•	AL3	W9/26462	06/1999	PCT			Ye N
•	AM3	WO 00/26993	05/2000	PCT	H01Q	21/20	Ye N
	AN3						Ye:
	AO3						Ye N
	AP3						Ye: No
		OTHER (Inc.	luding Author,	Title, Date, Pertinent	Pages, etc.)		
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE	
	AA4	5,489,908	02/1996	Orthmann et al.				
	AB4	5,499,017	03/1996	Beigel	·			
	AC4	5,500,650	03/1996	Snodgrass et al.				
	AD4	5,515,053	05/1996	Hecht et al.			1	
	AE4	5,519,381	05/1996	Marsh et al.				
	AF4	5,528,222	06/1996	Moskowitz et al.				
	AG4	5,528,232	06/1996	Verma <i>et al</i> .				
	AH4	5,537,105	07/1996	Marsh et al.				
	AI4	5,539,394	07/1996	Cato et al.				
	AJ4	5,539,775	07/1996	Tuttle et al.				
	AK4	5,541,928	07/1996	Kobayashi et al.				
			FOREIG	N PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
•	AL4						Ye:	
•	AM4				,		Ye No	
	AN4						Ye N	
	A04						Ye N	
	AP4						Ye: N	
		OTHER (Inc	luding Author,	Title, Date, Pertinent Pa	ges, etc.)			
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLAS	SS SUB- CLASS	FILING DATE	
	AA5	5,550,547	08/1996	Chan et al.				
	AB5	5,557,280	09/1996	Marsh et al.			*	
	AC5	5,566,441	10/1996	Marsh et al.		. P. arov		
	AD5	5,576,692	11/1996	Tompkins et al.				
	AE5	5,583,819	12/1996	Roesner et al.				
	AF5	5,583,850	12/1996	Snodgrass et al.				
	AG5	5,591,951	01/1997	Doty				
	AH5	5,602,538	02/1997	Orthmann et al.				
	AI5	5,627,517	05/1997	Theimer et al.				
								
	AJ5	5,627,544	05/1997	Snodgrass et al.	<u> </u>			
	AK5	5,640,151	06/1997	Reis et al.				
		T	FORE.	IGN PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLAS	SS SUB- CLASS	TRANSLATION	
•	AL5	,					Yes No	
*	AM5						Yes No	
	AN5						Yes No	
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EXAMINER INITIAL	DOCUMENT DATE NUMBER			N.	AME	CL	Ass	SUB- CLASS	FILING DATE	
	AA6	5,64	16,607	07/1997	s	chürmann et al.				
	AB6	5,64	18,765	07/1997	С	resap <i>et al</i> .				
	AC6	5,64	18,767	07/1997	0	'Connor et al.				
	AD6	5,67	73,037	09/1997	С	esar et al.				
	AE6	5,68	30,459	10/1997	н	ook et al.				
	AF6	5,68	36,888	11/1997	W	elles, II et al.				
	AG6	5,68	36,902	11/1997	R	eis et al.				
	AH6	5,68	39,239	11/1997	Т	urner et al.				
	AI6	5,74	12,618	04/1998	L	owe				
	AJ6	5,77	74,876	06/1998	W	oolley et al.				
	AK6	5,79	98,693	08/1998	E	ngellenner				
				FOREIG	N 3	PATENT DOCUMENTS				
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•	AL6									Yes No
•	AM6									Yes No
	AN6									Yes No
	A06									Yes No
	AP6									Yes No
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APPLICATION NO.

APPLICANT

Shanks et al.

FILING DATE February 12

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			U.S.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATÉ	NAME	CLASS	SUB- CLASS	FILING DAT
	AA7	5,856,788	01/1999	Walter et al.			
	AB7	5,887,176	03/1999	Griffith et al.			
	AC7	5,917,422	06/1999	Adamec et al.			
	AD7	5,959,568	09/1999	Woolley			
	AE7	5,963,133	10/1999	Monjo			
	AF7	6,002,344	12/1999	Bandy et al.			<u> </u>
	AG7	6,025,780	02/2000	Bowers et al.			
	AH7	6,057,756	05/2000	Engellenner			
	AI7	6,058,374	05/2000	Guthrie et al.			
	AJ7	6,354,493 B1	03/2002	Mon			.]
	AK7	6,388,569 Bl	05/2002	Engellenner			
-			FOREIG	O PATENT DOCUMENTS			
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	AN7						Ye N
	A07	-					Ye N
	AP7						Ye N
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	AA8	5,030		07/1991	I	Landt et al.	,				
:	AB8	5,912	,632	06/1999		Dieska <i>et al</i> .					
	AC8	6,097	, 347	08/2000	Î	Duan et al.					
	AD8	6,215	,401 B1	04/2001	F	Brady et al.		7	*		
	AE8	6,271	,793 B1	08/2001	E	Brady et al.					
	AF8	6,286	,762 B1	09/2001	F	Reynolds <i>et al</i> .			,		
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*	AM8								Yes No		
	AN8								Yes No		
	A08								Yes No		
	AP8								Yes No		
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